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REPLACEMENT SHEET

Title: SACROMASTIGOPHORIC THERAPEUTIC AGENT DELIVERY SYSTEM
Serial No. 10/735,203
Applicant: Lawrence W. Cosenza
Atty. Docket: DSI-10402/22
Attorney: Avery N. Goldstein (248) 647-6000

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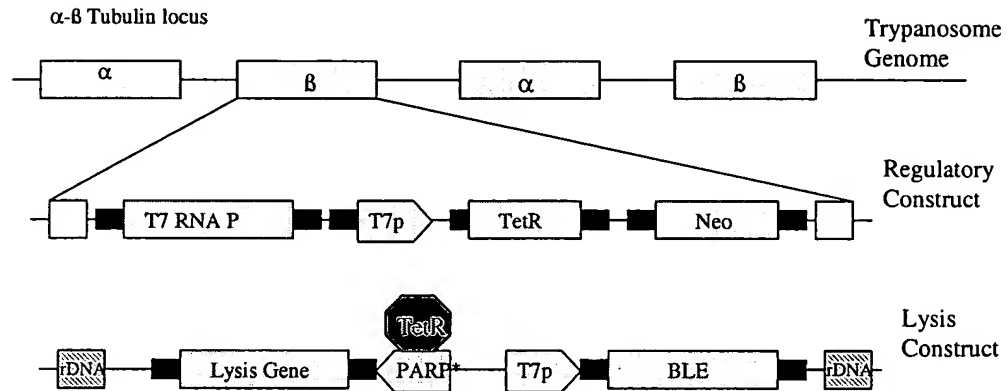
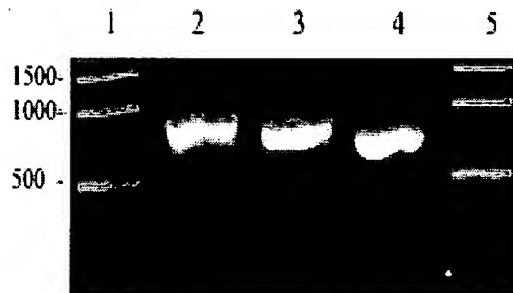


Figure 1

A



B

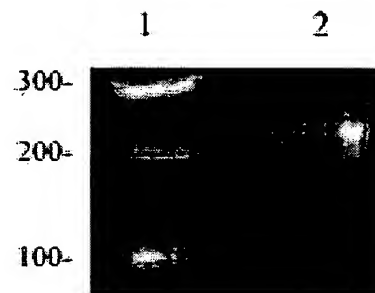


Figure 2

REPLACEMENT SHEET

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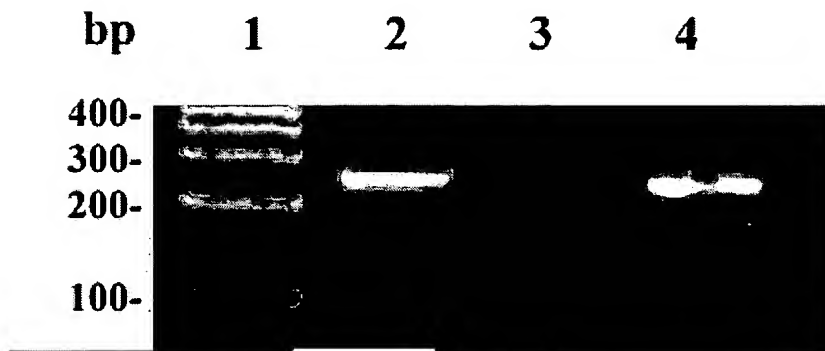


Figure 3

```

promVP4 1 -----ACCGAAATTAATACGACTCACTATAGGGGAA
promVP3 1 -----ATAGCATG-GTACC.....
              (KpnI)
promVP2 1 -----ATATTAGGCGCGCC.....G.....
              (AscI)
promVP1 1 AATTATTTCGAATTAGCAAGAAGATATTGT.....
              (NspV) L A R R Y C
promVP4 32 TTGTGAGCGGATAACAATTCCCCGGAGTTAATCCGGGACCTTTAATTCAACCCAACACAA
promVP3 45 .....
promVP2 46 .....
promVP1 61 .....
promVP4 92 TATATTATAGTTAAATAAGAATTATTATCAAATCATTTGTATATTAATAAAATACTATA
promVP3 105 .....
promVP2 106 .....
promVP1 121 .....
promVP4 152 CTGTAAATTACATTTTATTACAATCAAAGGAGATAT-AC-----
promVP3 165 .....T..GCTAGCTACCTACCTTCGAA
              (NheI)      (NspV)
promVP2 166 .....-..GGCGCCTATAAATCTGCAGA
              (NarI)      (PstI)
promVP1 181 .....A--GACTAGTAATAAGCGGCCGC
              (SpeI)      (NotI)
promVP4 -----
promVP3 225 CTAGTATT
promVP2 225 TTAAT---
promVP1 239 TTTATTTA
    
```

Figure 4

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native	1	---GGTGATGTGCAGAATGCTGTCTGAAGGGGCTATGGTCAGGGTGGCAGATACAGTGCAA
Recombinant	1	ATG.....T.....
native	58	ACTTCAGCCACAACTCAGAGAGGGTGCCTAACTTGACAGCAGTAGAACTGGTCACACT
Recombinant	61	.....
native	118	TCGCAGGCAGTACCTGGTGATACCATGCAGACTAGACATGTGATCAACAATCACGTGAGG
Recombinant	121	.....T.....C.....
native	178	TCAGAATCTACAATTGAGAACTTCCTTGCCAGATCAGCGTGTGTTTTCTACCTAGAGTAC
Recombinant	181	.....TG.....
native	238	AAGACAGGGACCAAAGAGGATTCCAATAGCTTCAACAATTGGGTGATTACAACCAGGCGA
Recombinant	241	.....G.....G.....
native	298	GTGGCTCAACTACGTAGAAAACCTGGAAATGTTTACTTACCTACGGTTTGACATGGAAATC
Recombinant	301	....G.....T.....
native	358	ACCGTGGTCATTACAAGCTCGCAAGATCAGTCTACATCACAAAACCAGAATGCACCAGTG
Recombinant	361	.....
native	418	CTAACACACCAGATAATGTATGTACCACCAGGGGACCCATACCCGTAAGCGTGGATGAT
Recombinant	421	.....A.....
native	478	TACAGCTGGCAAACATCCACCAACCCAGTATCTTTTGGACCGAAGGGAACGCTCCGGCA
Recombinant	481	.....T.....
native	538	CGCATGTCAATTCCATTTATTAGCATAGGCAATGCGTATAGTAATTTCTACGATGGGTGG
Recombinant	541	.....A.....
native	598	TCTCACTTCTCCCAGGCTGGCGTGTATGGCTTCACTACTCTGAACAACATGGGTCAATTG
Recombinant	601	.....
native	658	TTCTTCCGGCACGTAAACAAGCCCAACCCAGCCGCTATTACAAGTGTGGCGCGCATTTAC
Recombinant	661	.....
native	718	TTCAAACCGAAACATGTACGCGCTTGGGTGCCTAGACCACCGCGCTTGTGTCCATACATC
Recombinant	721	.....
native	778	AATAGCACGAATGTCAACTTTGAACCCAAGCCAGTGACTGAAGTACGTACCAACATAATA
Recombinant	781	.....
native	838	ACAACG-----
Recombinant	841	.....ATCATCGCGCCGCACAGCTGTATACAGTGCAAGCCAGCCAGAACTCGCCCCG
native		-----
Recombinant	901	GAAGACCCCGAGGATCTCGAGCACCACCATCACCATCACCATCAC

Figure 5

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Native	1	---TCTCCAACGGTTGAAGAGTGC
recombinant	1	ATG.....
Native	58	AACTCCACTATTACAAC
recombinant	61	.....
Native	118	GAGTATCTGAGTGATAACGAGGCAACTGCTGAGGACCAACCAACGCAGCCGGACGTGGCC
recombinant	121	.....
Native	178	ACTTGCCGTTTTTACACCCTAGACTCAGTCCAATGGGAGAATGGGTCACCAGGTTGGTGG
recombinant	181	.....
Native	238	TGGAAGTTTCCCGACGCTCTAAGGGATATGGGATTATTTGGCCAAAATATGTACTACCAT
recombinant	241	.....
Native	298	TACTTAGGCAGAGCCGGGTATACCATCCACGTACAATGCAATGCTTCCAAGTTTCATCAA
recombinant	301	.....
Native	358	GGCTGTATCCTGGTAGTGTGTGCCCTGAGGCGGAGATGGGAAGTGCCCAAACCTCAGGG
recombinant	361	.....
Native	418	GTGGTCAACTACGAACACATTAGTAAGGGTGAGATCGCATCAAGGTTCACTACCACGACA
recombinant	421	.....
Native	478	ACAGCAGAAGACCATGGCGTGCAGGCCGCGGTATGGAATGCTGGTATGGGCGTTGGAGTT
recombinant	481	.....
Native	538	GGGAACCTTGACGATCTTCCCGCACCAATGGATCAACCTTCGCACCAACAACAGCGCCACA
recombinant	541	.....
Native	598	ATTGTTATGCCATACGTAAATAGTGTACCAATGGACAATATGTATAGACATCACAACCTTT
recombinant	601	.....
Native	658	ACACTAATGATAATACCCTTTGTGCCTCTGGATTTTCAGCGCGGGTGCATCCACATACGTG
recombinant	661	.....
Native	718	CCCATAACGGTGACAGTGGCCCCCATGTGTGCCGAGTACAATGGACTACGACTAGCTGGA
recombinant	721
Native	778	CACCAA-----
recombinant	781TAGTAG

Figure 6

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native	1	GGTGATGTGCAGAATGCTGTGCGAAGGGGCTATGGTCAGGGTGGCAGATACAGTGCAAAC
Recombinant	1	----.....T.....
native	61	TCAGCCACAACTCAGAGAGGGTGCCTAACTTGACAGCAGTAGAACTGGTCACACTTCG
Recombinant	57-.....
native	121	CAGGCAGTACCTGGTGATACCATGCAGACTAGACATGTGATCAACAATCACGTGAGGTCA
Recombinant	116	....T.....C.....
native	181	GAATCTACAATTGAGAACTTCCTTGCCAGATCAGCGTGTGTTTTCTACCTAGAGTACAAG
Recombinant	176	.....TG.....
native	241	ACAGGGACCAAAGAGGATTCCAATAGCTTCAACAATTGGGTGATTACAACCAGGCGAGTG
Recombinant	236	.....G.....G.....
native	301	GCTCAACTACGTAGAAAACCTGGAAATGTTTACTTACCTACGGTTTGACATGGAAATCACC
Recombinant	296	.G.....T.....
native	361	GTGGTCATTACAAGCTCGCAAGATCAGTCTACATCACAAAACCAGAATGCACCAGTGCTA
Recombinant	356	.....
native	421	ACACACCAGATAATGTATGTACCACCAGGGGACCCATACCCGTAAGCGTGGATGATTAC
Recombinant	416	.....A.....
native	481	AGCTGGCAAACATCCACCAACCCAGTATCTTTTGGACCGAAGGGAACGCTCCGGCACGC
Recombinant	476	.....T.....
native	541	ATGTCAATTCCATTTATTAGCATAGGCAATGCGTATAGTAATTTCTACGATGGGTGGTCT
Recombinant	536	.....A.....
native	601	CACTTCTCCCAGGCTGGCGTGTATGGCTTCACTACTCTGAACAACATGGGTCAATTGTTC
Recombinant	596	.....
native	661	TTCCGGCACGTAAACAAGCCCAACCCAGCCGCTATTACAAGTGTGGCGCGCATTTACTTC
Recombinant	656	.....
native	721	AAACCGAAACATGTACGCGCTTGGGTGCCTAGACCACCGCGCTTGTGTCCATACATCAAT
Recombinant	716	.....
native	781	AGCACGAATGTCAACTTTGAACCCAAGCCAGTGACTGAAGTACGTACCAACATAATAACA
Recombinant	776	.....
native	841	ACG-----
Recombinant	836	...ATCATCGCGGCCGCACAGCTGTATACACGTGCAAGCCAGCCAGAACTCGCCCCGGAA
native		-----
Recombinant	896	GACCCCGAGGATCTCGAGCACCACCATCACCATCACCATCAC

Figure 7

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Native	1	ATGGGAGCACAGGTATCAACACAGAAGACCGGGGCGCACGAGACTAGCTTGAGCGCTACT
Recombinant	1	....CGAT.TC.....
Native	61	GGCAACTCCATAATACTACACGAATATTAATTATTACAAAGATGCAGCCTCTAACTCT
Recombinant	61	.....C.....
Native	121	GCCAATAGACAAGATTTACCCCAAGACCCTGGTAAGTTTACTGAACCAATGAAAGATGTC
Recombinant	121	.....C..G.....
Native	181	ATGATAAAAACCCTGCCAGCGCTGAAT-----
Recombinant	181TCGTAG

Figure 8

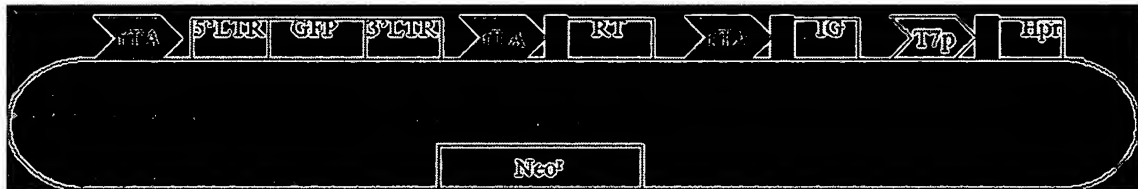


Figure 9

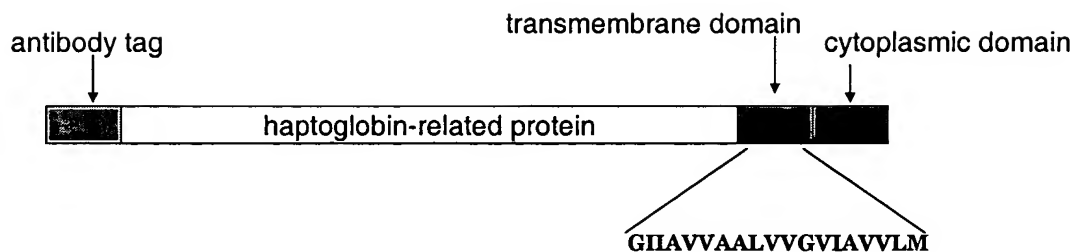


Figure 10

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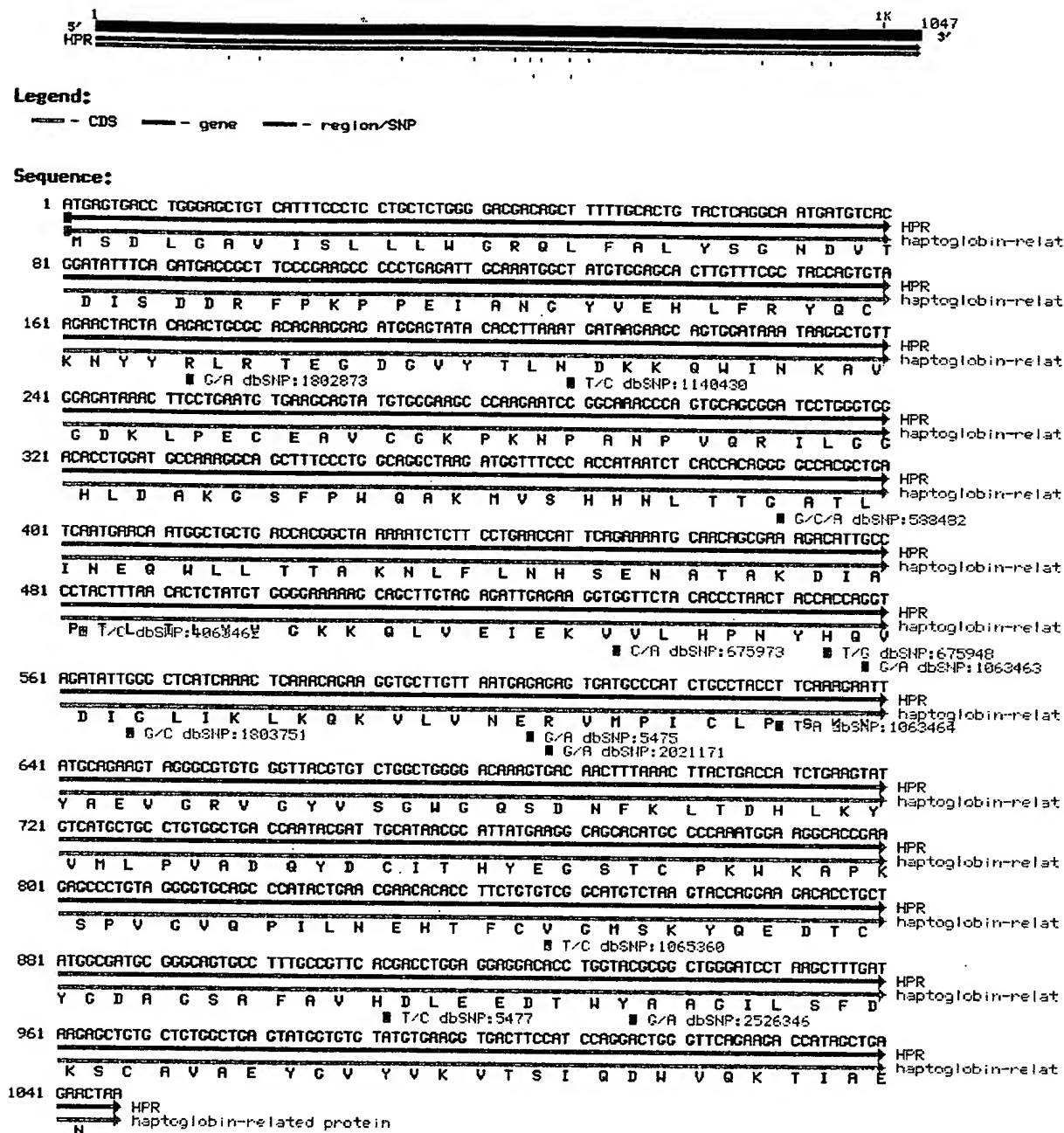


Figure 11

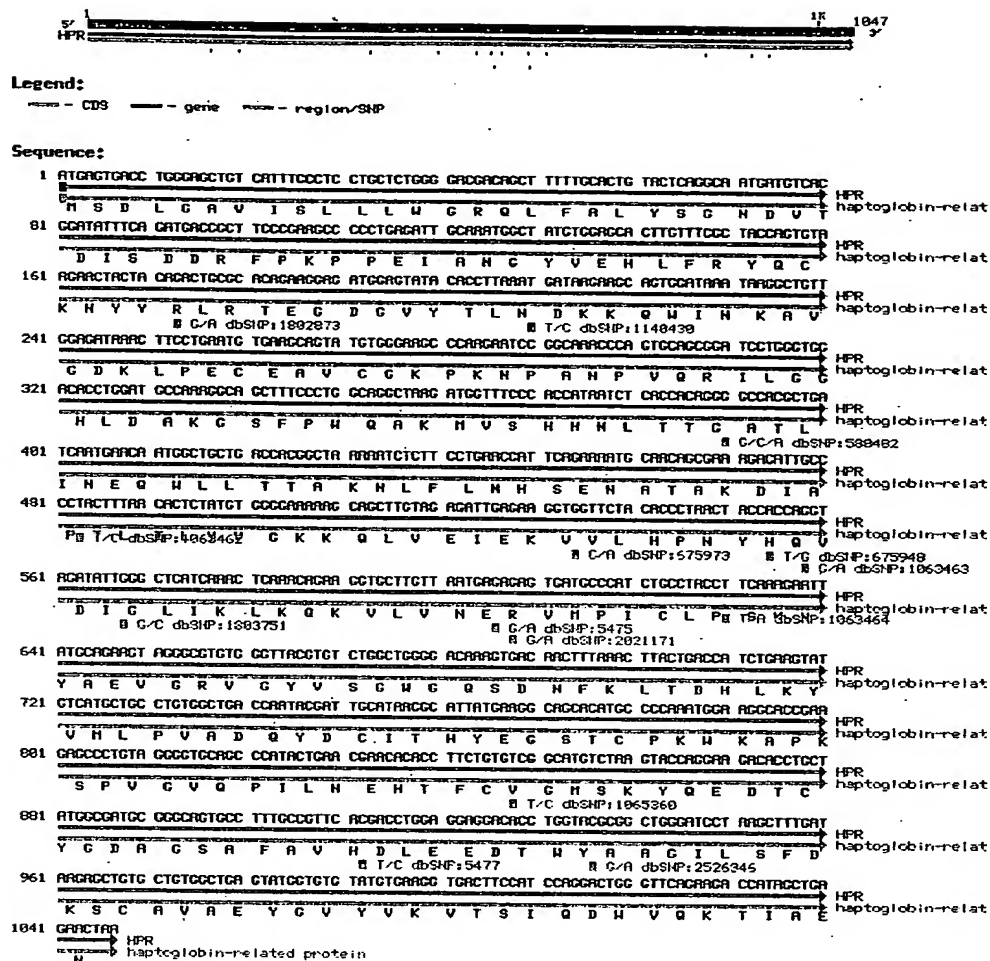


Figure 11